

FORM PTO-1449 INFORMATION DISCLOSURE CITATION IN AN APPLICATION		DOCKET NUMBER FGT 223		APPLICATION NUMBER			
		APPLICANT(S)					
		FILING DATE		GROUP ART UNIT 3748			
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FIL. DATE IF APPROP.	
PS	4,779,528	10-25-88	Bruke	—	—	—	
↓	4,926,823	5-22-90	Kishi et al	↓	↓	↓	
↓	4,965,741	10-16-90	Cook et al	↓	↓	↓	
↓	5,236,332	8-17-93	Satou et al	↓	↓	↓	
↓	5,280,770	1-25-94	Satou et al	↓	↓	↓	
↓	5,422,811	6-6-95	Togai	↓	↓	↓	
↓	5,515,828	5-14-96	Cook et al	↓	↓	↓	
↓	5,548,514	8-20-96	Hasegawa et al	↓	↓	↓	
↓	5,600,056	2-4-97	Hasegawa et al	↓	↓	↓	
↓	5,647,312	7-15-97	Salber et al	↓	↓	↓	
↓	5,669,341	9-23-97	Ushirono et al	↓	↓	↓	
FOREIGN PATENT DOCUMENTS							
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION YES NO	
PS	S55-49549	4-10-80	JP				
↓	S55-29002	3-1-80	JP				
↓	1 054 148	5-18-00	EP				
OTHER DOCUMENTS							
PS	RONALD J. PIERIK et al, "Design and Development of a Mechanical Variable Valve Actuation System", SAE Technical Paper No. 2001-01-1221, March 6-9, 2000, pp. 1-8						
PS	MARTIN PISCHINGER et al, "Benefits of the Electromechanical Valve Train in Vehicle Operation", SAE Technical Paper No. 2000-01-1223, March 6-9, 2000, pp. 1-11						
PS	M.J. VAN NIEUWSTADT et al, "Air Change Estimation in Camless Engines", SAE Technical Paper No. 2001-01-0581, March 5-8, 2001, pp. 1-8						
EXAMINER BINH TRAN			DATE CONSIDERED 3/16/06				

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U.S. PATENT DOCUMENTS						
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FIL. DATE IF APPROP.
B5	5,678,402	10-21-97	Kitagawa et al			
↓	5,743,221	4-28-98	Schmitz			
	5,746,183	5-5-98	Parke et al			
	5,765,514	6-16-98	Sono et al			
	5,950,603	9-14-99	Cook et al			
	6,000,376	12-14-99	Hess et al			
	6,023,929	2-15-00	Ma			
	6,039,026	5-21-00	Shiraishi et al			
	6,098,585	8-8-00	Brehob et al			
	6,116,210	9-12-00	Oder et al			
	↓	6,138,636	10-31-00	Kohno et al		
FOREIGN PATENT DOCUMENTS						
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION YES NO
OTHER DOCUMENTS						
B5	LUCIEN KOOPMANS et al, "A four Stroke Camless Engine, Operated in Homogeneous Charge Compression Ignition Mode with Commercial Gasoline", SAE Technical Paper No. 2001-01-3610, September 24-27, 2001, pp. 1-14					
↓	WOLFGANG SALBER et al, "Synergies of Variable Valve Actuation and Direct Injection", SAE Technical Paper No. 2002-01-0706, March 4-7, 2002, pp. 1-9					
↓	"Operation of the Electronic Valve Actuation, Ford EVA Project Closed Loop Engine, System Control", Manual - Preliminary Version III, March 21, 2003, and in particular pp. 6, 72, 80-84, 89-95, 104-119, and 134-218					
EXAMINER BINH TRAN			DATE CONSIDERED 8/16/06			

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		FILING DATE		GROUP ART UNIT			
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FIL. DATE IF APPROP.	
B	6,219,611	4-17-01	Russell				
	6,247,445	6-19-01	Langer				
	6,276,316	8-21-01	Arai et al				
	6,332,446	12-25-01	Matsumoto et al				
	6,336,355	1-8-02	Sasaki et al				
	6,341,584	1-29-02	Itoyama et al				
	6,349,541	2-26-02	Gruden et al				
	6,374,813	4-23-02	Iida et al				
	6,386,156	5-14-02	Stockhausen et al				
	6,390,063	5-21-02	Obata et al				
✓	6,408,806	6-25-02	Sugiyama et al				
FOREIGN PATENT DOCUMENTS							
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION YES NO	
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EXAMINER			DATE CONSIDERED				
BINH TRAN			3/16/06				

FORM PTO-1449		DOCKET NUMBER		APPLICATION NUMBER			
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		FILING DATE		GROUP ART UNIT			
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FIL. DATE IF APPROP.	
BS	2002/0096139	7-25-02	Zheng				
	6,425,369	7-30-02	Arai et al				
	6,431,129	8-13-02	Hammoud et al				
	6,431,130	8-13-02	Leone et al				
	6,443,108	9-3-02	Brehob et al				
	6,453,662	9-24-02	Lewis et al				
	6,453,665	9-24-02	Bower Jr. et al				
	6,457,465	10-1-02	Lee				
	6,474,303	11-5-02	Leone et al				
	6,311,667	11-6-02	Satou et al				
	6,481,201	11-19-02	Kako et al				
FOREIGN PATENT DOCUMENTS							
	DOCUMENT NUMBER	DA6336355TE	COUNTRY	CLASS	SUB CLASS	TRANSLATION YES NO	
OTHER DOCUMENTS							
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		FILING DATE		GROUP ART UNIT		
U.S. PATENT DOCUMENTS						
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FIL. DATE IF APPROP.
BST	6,484,677	11-26-02	Leone et al			
↓	6,470,853	11-29-02	Leone et al			
	6,497,093	12-24-02	Lewis et al			
	6,502,389	1-7-03	Katayama et al			
	2003/0015026	1-23-03	Chung			
	6,513,493	2-4-03	Robichaux et al			
	6,532,944	3-18-03	Leone et al			
	6,550,434	4-22-03	Leone et al			
	6,557,505	5-6-03	Hori			
	6,568,177	5-27-03	Surnilla			
	6,591,605	7-15-03	Lewis			
FOREIGN PATENT DOCUMENTS						
	DOCUMENT NUMBER	DA6336355TE	COUNTRY	CLASS	SUB CLASS	TRANSLATION YES NO
OTHER DOCUMENTS						
EXAMINER	BINH TRAN		DATE CONSIDERED 3/16/06			

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		APPLICANT(S)				
		FILING DATE		GROUP ART UNIT		
U.S. PATENT DOCUMENTS						
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FIL. DATE IF APPROP.
BS	6,619,262	9-16-03	Graf et al			
↓	6,629,409	10-7-03	Lewis et al			
↓	6,640,756	11-4-03	Ogiso			
FOREIGN PATENT DOCUMENTS						
	DOCUMENT NUMBER	DA6336355TE	COUNTRY	CLASS	SUB CLASS	TRANSLATION YES NO
OTHER DOCUMENTS						
EXAMINER	BINH TRAN			DATE CONSIDERED		
				3/16/06		

PTO/SR/08 (08-03)

Approved for use through 12/31/2006. OMB 0633-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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Substitute for form 1462A (11/11) INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		Complete if Known	
		Application Number	10/805613
		Filing Date	03/19/2004
		First Named Inventor	Lewis
		Art Unit	3748
		Examiner Name	BINH TRAN
		Attorney Docket Number	81100266
Sheet	1	of	1

U. S. PATENT DOCUMENTS					
Examiner Initials*	Chd. No.	Document Number Number, Kind Code & # (if any)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Chd Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
BS BS		US- 6,415,601	07-09-2002	Clugla et al.	
		US- 6,389,806	05-21-2002	Clugla et al.	
		US-			
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FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Chd. No.	Foreign Patent Document Country Code* Number* Kind Code* or # (if any)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Chd Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	†

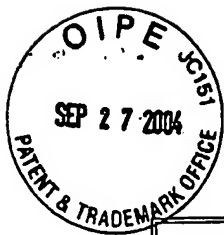
Examiner Signature	BINH TRAN	Date Considered	3/16/06
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*EXAMINER: Initials & reference considered, whether or not citation is in conformance with MPEP 603. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kind Codes of USPTO Patent Documents at www.uspto.gov or MPEP 601.04. 3 Enter Office that issued the document, by the two letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbol as indicated on the document under WIPO Standard ST.10 if possible. 6 Applicant is to place a check mark here if English language translation is attached.

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FORM PTO-1449 INFORMATION DISCLOSURE CITATION IN AN APPLICATION		DOCKET NUMBER 81100266		APPLICATION NUMBER 10/805,613		
		APPLICANT(S) Donald J. Lewis et al				
		FILING DATE March 19, 2004		GROUP ART UNIT 3748		
U.S. PATENT DOCUMENTS						
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FIL. DATE IF APPROP.
BS	6,192,857	2-27-01	Shimada			
↓	6,202,608	3-20-01	Yamaki et al			
↓	6,374,783	4-23-02	Toriumi			
↓	6,553,961	4-29-03	Hammoud et al			
FOREIGN PATENT DOCUMENTS						
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION YES NO
OTHER DOCUMENTS						
EXAMINER	BINH TRAN		DATE CONSIDERED 3/16/06			

SHEET 1 OF 2

FORM PTO-1449		DOCKET NUMBER 81100266		APPLICATION NUMBER 10/805,613		
INFORMATION DISCLOSURE CITATION IN AN APPLICATION		APPLICANT(S) Lewis				
		FILING DATE March 19, 2004		GROUP ART UNIT 3748		
U.S. PATENT DOCUMENTS						
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FIL. DATE IF APPROP.
BT	10/805,575	3-19-2004	Lewis et al.	T	T	T
↓	10/805,611	3-19-2004	Michelini et al.	↓	↓	↓
	10/805,637	3-19-2004	Lewis et al.			
	10/805,651	3-19-2004	Lewis et al.			
	10/805,645	3-19-2004	Lewis et al.			
	10/805,648	3-19-2004	Lewis et al.			
	10/805,654	3-19-2004	Lewis et al.			
	10/805,642	3-19-2004	Lewis et al.			
	10/805,607	3-19-2004	Lewis et al.			
	10/805,573	3-19-2004	Lewis et al.			
	10/805,635	3-19-2004	Lewis et al.			
	10/805,615	3-19-2004	Michelini et al.			
	10/805,626	3-19-2004	Gibson et al.			
	10/805,644	3-19-2004	Winstead et al.			
	↓	10/805,612	3-19-2004			
FOREIGN PATENT DOCUMENTS						
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION YES NO
OTHER DOCUMENTS						
EXAMINER BINH TRAN			DATE CONSIDERED 3/16/06			

FORM PTO-1449 INFORMATION DISCLOSURE CITATION IN AN APPLICATION		DOCKET NUMBER 81100266		APPLICATION NUMBER 10/805,613		
		APPLICANT(S) Lewis				
		FILING DATE March 19, 2004		GROUP ART UNIT		
U.S. PATENT DOCUMENTS						
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FIL. DATE IF APPROP.
RS	10/805,606	3-19-2004	Lewis et al.			
↓	10/805,638	3-19-2004	Lewis et al.			↓
	10/805,636	3-19-2004	Lewis et al.			
	10/805,639	3-19-2004	Lewis et al.			
	10/805,657	3-19-2004	Lewis et al.			
	10/805,625	3-19-2004	Lewis et al.			
RS	09/683,933	3-05-02	Michelinei et al.	—	—	↓
FOREIGN PATENT DOCUMENTS						
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION YES NO
OTHER DOCUMENTS						
EXAMINER	BAMH TRAN		DATE CONSIDERED 3/16/06			

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* Applicant cited on the IDS filed May 19, 2004.



Approved for use through 07/31/2008. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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Sheet	1	of	5
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Complete if Known

Application Number	10/805,613
Filing Date	March 19, 2004
First Named Inventor	Donald J. Lewis
Art Unit	3748
Examiner Name	B. TRAN
Attorney Docket Number	81100266

U. S. PATENT DOCUMENTS

U. S. PATENT DOCUMENTS					
Examiner Initials*	Cite No.†	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code² (if known)			
PT		US- 3828247	08-06-1974	Kirsch et al.	
		US- 3865088	02-11-1975	Links	
		US- 4009695	03-01-1977	Ule	
		US- 4976228	12-11-1990	Kawamura	
		US- 4990854	02-05-1991	Friz	
		US- 5117790	06-02-1992	Clarke et al.	
		US- 5190013	03-02-1993	Dozier	
		US- 5408958	04-25-1995	Esch et al.	
		US- 5442515	08-15-1995	Wallaert	
		US- 5596956	01-28-1997	Ogawa et al.	
		US- 5617829	04-08-1997	Bidner et al.	
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		US- 5930992	08-03-1999	Esch et al.	
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		US- 5957095	09-28-1999	Kako	
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	US- 6062186	05-16-2000	Barnes et al.		
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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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Sheet 2

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Complete if Known

Application Number	10/805,613
Filing Date	March 19, 2004
First Named Inventor	Donald J. Lewis
Art Unit	
Examiner Name	
Attorney Docket Number	81100266

U. S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
BX		US- 6178934	01-30-2001	Hirasawa et al.	
		US- 6192857	02-27-2001	Shimada	
		US- 6202608	03-20-2001	Yamaki et al.	
		US- 6216652	04-17-2001	Gramann et al.	
		US- 6332445	12-25-2001	Voss et al.	
		US- 6333843	12-25-2001	Boie et al.	
		US- 6363907	04-02-2002	Arai et al.	
		US- 6367437	04-09-2002	Nakamura et al.	
		US- 6374783	04-23-2002	Toriumi	
		US- 6382193	05-07-2002	Boyer et al.	
		US- 6389806	05-21-2002	Glugla et al.	
		US- 6390038	05-21-2002	Di Lieto et al.	
		US- 6397813	06-04-2002	Han et al.	
		US- 6401684	06-11-2002	Hori et al.	
		US- 6415601	07-09-2002	Glugla et al.	
		US- 6422185	07-23-2002	Duesmann et al.	
		US- 6460500	10-08-2002	Ooyama et al.	
		US- 6505113	01-07-2003	Eichenseher et al.	
		US- 6526745	03-04-2003	Ogiso	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				

Examiner Signature	BMM TRAM	Date Considered	3/16/06
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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet **3** of **5****Complete if Known**

Application Number	10/805,613
Filing Date	March 19, 2004
First Named Inventor	Donald J. Lewis
Art Unit	
Examiner Name	
Attorney Docket Number	81100266

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
PS		US- 6546910	04-15-2003	Tanaka et al.	
		US- 6550240	04-22-2003	Kolmanovsky et al.	
		US- 6553961	04-29-2003	Hammoud et al.	
		US- 6619245	09-16-2003	Fujiwara et al.	
		US- 6637386	10-28-2003	Murata et al.	
		US- 6647947	11-18-2003	Boyer et al.	
		US- 6681173	01-20-2004	Turner et al.	
		US- 6718928	04-13-2004	Brueggen et al.	
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		US- 2003/0051465	03-20-2003	Kolmanovsky et al.	
		US- 2003/0106515	06-12-2003	Kondo	
		US- 2004/0083719	05-06-2004	Xu et al.	
		US- 2004/0103867	06-03-2004	Hayase et al.	

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Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				

Examiner Signature	BINH TRAN	Date Considered	8/16/06
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Substitute for form 1449/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet	4	of	5
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Complete if Known

Application Number	10/805,613
Filing Date	March 19, 2004
First Named Inventor	Donald J. Lewis
Art Unit	
Examiner Name	
Attorney Docket Number	81100266

U. S. PATENT DOCUMENTS

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FOREIGN PATENT DOCUMENTS

[illegible]

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Date	
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		Application Number	10/805,613		
		Filing Date	March 19, 2004		
		First Named Inventor	Donald J. Lewis		
		Art Unit			
		Examiner Name			
Sheet	5	of	5	Attorney Docket Number	81100266

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
BT		KLUTING, FLIERL, GRUDNO and LUTTERMANN; MTZ Magazine, August 1999, "Drosselfreie Laststeuerung miy vollvariablen Ventiltrieben"	✓

Examiner Signature	BTHH TRAN	Date Considered	3/16/06
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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 1 of 2

Complete If Known

Application Number	10/805,613
Filing Date	March 19, 2004
First Named Inventor	Donald J. Lewis
Art Unit	3748
Examiner Name	Binh Q. Tran
Attorney Docket Number	81100266

U. S. PATENT DOCUMENTS					
Examiner Initials*	Cite No.	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
95		US- 4,732,117	03-22-1988	Tanahashi et al	
		US- 4,807,495	02-28-1989	Wallace	
		US- 4,848,284	07-18-1989	Konno	
		US- 5,016,494	05-21-1991	Yamaguchi	
		US- 5,072,700	12-17-1991	Kawamura	
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		US- 6,247,449	06-19-2001	Persson	
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		US- 6,435,147	08-20-2002	Eichenseher et al	
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Examiner Initials*	Cite No.	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)			T ⁶

Examiner Signature	BINH TRAN	Date Considered	3/16/06
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		Application Number	10/805,613
		Filing Date	March 19, 2004
		First Named Inventor	Donald J. Lewis
		Art Unit	3748
		Examiner Name	Binh Q. Tran
Sheet 2 of 2	Attorney Docket Number	81100266	

U. S. PATENT DOCUMENTS					
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PX		US- 6,595,183	07-22-2003	Olofsson	
		US- 6,620,076	09-16-2003	Kawamura et al	
		US- 6,691,021	02-10-2004	Takagi et al	
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		US- 2003/0131820	07-17-2003	Mckay et al	
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		US- 2005/0028515	02-10-2005	Fukuma et al	
		US-			

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ² Number ³ Kind Code ⁴ (if known)	MM-DD-YYYY			

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